SEQUENCE LISTING

- <110> Indian Council of Medical Research
 University of Delhi
- <120> Mutants of Mycobacteria and process thereof
- <130> 11378.0066USWO
- <140> US 10/560,605
- <141> 2005-12-13
- <150> PCT/IN2004/000203
- <151> 2004-07-09
- <150> IP882/DEL/2003
- <151> 2003-07-09
- <160> 16
- <170> PatentIn version 3.1
- <210> 1
- <211> 32
- <212> DNA
- <213> Artificial Sequence
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32

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| gtgttgcgag ccc | acggcta ccctaccgac | caccgggccg | cacaagtcgg | caccgaacac | 240 |
| ctggcggcag acc | tgttggt ggccttggac | cgcaaccacg | ctcggctgtt | gcggcagctc | 300 |
| ggcgtcgaag ccg | cccgggt acggatgctg | cggtcattcg | acccacgctc | gggaacccat | 360 |
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| gggrgccagt tegg | gtgtcga aacgctgctg | gatcatctcg | gagatccggg | cccgcagttg | 240 |

tggcacggag tcgttgctgc gcaggtagtc ggcgacgatg acgtcgcggt ccaggccgac 300 cgcttcaagc accagcgcga ccacgaagcc ggtgcgatcc ttacccgcga agcagtgggt 360 gagcaccggg cgtccggcgg caagcagtgt gacgacacga tgtagcgcgc gctgtgctcc 420 attgcgcgtt gggaattggc gatactcgtc ggtcatgtag cgggtggccg cgtcatttat 480 cgactggctg gattcgccgg actcgccgtt ggacccgtca ttggttagca gcctcttgaa 540 tgcggtttcg tgcggcgctg agtcgtcggc gtcatcatcg gcgaggtcgg ggaacggcag 600 caggtggacg tcgatgccgt ccggaacccg tcctggaccg cggcgggcaa cctcccggga 660 cgaccgcagg tcggcaacgt cggtgatccc cagccggcgc agcgttgccc ggccggcgtc 720 gtcgaggcgg ctcagctcgc tggaccggaa cagccgcccc ggccgcaatg cggttgcggt 780 gtcggcgacg tcacgaaagt tccacgcgcc cggcagttca cggacagcca t 831

<210> 13

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<212> DNA

<213> Mycobacterium tuberculosis

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| cggcgttggg | gctgggatgg | cgggcggcgt | cgcgccgcca | ggcccgtacc | gcaccgcggg | 2520 |
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<212> DNA

<213> Mycobacterium tuberculosis

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| ggaaatgaag | ttgagcgggt | atcgcgagaa | gtcggcgaac | ccgtcgtact | cgagcgtgta | 180 |
| gatggccgtc | ggatagatcg | tgtccgaggg | cgttgcgcca | tagaacgtca | ggtccagagt | 240 |
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| gacaagcacg | aaattgaggt | cgctcgccga | aggtgcggcc | ccgcccatcg | ccgtgaacct | 360 |
| ctgcatctcc | agcgacgcga | ttatggcgct | ttgcgaccag | ccgaaaacgg | tgaccgcgtt | 420 |
| tccggtggtc | gcgagctcta | ccatgatcgc | gtcgtgcaag | atggtcaagc | cctcttccac | 480 |
| tgacgtgttg | aggaccaaac | ttctgacacc | ggtgagtggg | tacaactctt | cgggtgtgaa | 540 |
| gacggcttgt | agcgcccgcc | gaacggacct | acagcgtatt | ggcggcgtca | acatagacgg | 600 |
| cggtggtagt | ggaattccgg | tgggcccaaa | gaacaaggtg | gtcaagttcg | ccgggaatgg | 660 |
| cggaatcatc | gcggccgccg | cgggggttgg | tgcggcggcg | ggcacagcca | gctgattttg | 720 |
| ccgggtgctg | gcgatggcgg | cctcggcatc | tgcgtagctg | ttcgccgcgg | cggccaacgt | 780 |
| ctggtggaac | ctaactgtga | aacgcctcga | cttgagcgag | cacggcctgg | tattcctggc | 840 |
| cgtatgcgcc | gaacggtttc | gcgatggcgg | ccgacacctc | atcgccggcc | gccgcggcca | 900 |
| gtgcacacgt | cgggcctgcc | gcggccgcgc | cggccgtact | cacggccgaa | ccgattcctg | 960 |
| ccacctcggc | ggcggccgcc | gctacgatcc | gcggctcagc | gatcagatac | gacatcgtct | 1020 |
| cactccccta | gcaccaggtg | tcggccaacc | gggtcaaccc | ggggttttgg | tcagcccaga | 1080 |
| gcggtcccgc | tgccctggtg | gtcgcttacg | cgaatcggat | tcgcgcgaaa | gcgtttcccc | 1140 |
| tcatccgagc | agcaccccgc | gcatccggtt | gactgtggcc | tggctgatac | cggcgtcgcg | 1200 |

| caggtagccg | cccagcgatc | cgtaggtctc | gtcaatggtc | tggcgtgcgg | cggccaggta | 1260 |
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| ctccgcgcgg | acacccagga | ccccgtcgga | cagccgggcc | ttggtgaacg | tcaccacctc | 1320 |
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| cgcttcaagc | accagcgcga | ccacgaagcc | ggtgcgatcc | ttacccgcga | agcagtgggg | 1500 |
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| caggtcggca | acgtcggtga | tccccagccg | gcgcagcgtt | gcccggccgg | cgtcgtcgag | 1740 |
| gcggctcagc | tcgctggacc | ggaacagccg | ccccggccgc | aatgcggttg | cggtgtcggc | 1800 |
| gacgtcacga | aagttccacg | cgcccggcag | ttcacggaca | gccatctcag | gtgaccgccg | 1860 |
| cagcgaaggt | ggacttctcc | ctcgacagct | cggcgcgggc | gatggagcgc | aggtgcacct | 1920 |
| cgtcgggacc | gtcgaagatg | cgcatggcgc | ggtgccagcc | gtacaaccgg | gccagcgggg | 1980 |
| tgtcgtcgct | gacgccggcg | gccccgtgga | cctggattgc | gcggtcgatg | acatcgcagg | 2040 |
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| ggcccatcac | gatgaggatc | ttgcaccgcg | ggtccgccgc | tcccgacgtc | caccacttac | 2580 |
| ggccgttgat | gacgtagtcg | gcaccgtccc | gggagatggt | ggtttcgatg | ttgcgggcgt | 2640 |
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| tcatttcggc | cagcggcgcg | tactccaggt | tggtcaatcc | cgactcggcc | gacaggaata | 2880 |
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<211> 4163

<212> DNA

<213> Artificial sequence

<220>

<223> The sequence was produced in the lab

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<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence was produced in the lab

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